

AMENDMENTS TO THE CLAIMS

This listing of Claims shall replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-62. (Cancelled)

63. (Currently Amended) A recording and playback system comprising:
an audio capturing device configured to receive an analog input;
an encoder coupled to said audio capturing device and configured to generate a digital signal based on said analog input; and
a recognition engine coupled to said audio capturing device and configured to generate text data based on said analog input, wherein said encoder and said recognition engine simultaneously generate said digital signal and said text data such that said digital signal and said text data can be provided in a synchronized manner[.]; and

a first switch coupled between said encoder and a memory sub-system and also between said recognition engine and said memory sub-system, said first switch configured to couple one of said encoder and said recognition engine to said memory sub-system and to simultaneously decouple the other one of said encoder and said recognition engine from said memory sub-system, and wherein said first switch is controlled based on said text data.

64. (Cancelled)

65. (Currently Amended) The system as recited in Claim 64 63 further comprising:

a decoder selectively coupled to said memory sub-system and configured to decode said digital signal into decoded audio data;

a digital-to-analog (D/A) converter coupled to said decoder and configured to convert said decoded audio data into an analog signal; and

an audio output device coupled to said D/A converter and configured to render a voice output corresponding to said analog input from said analog signal.

66. (Previously Presented) The system as recited in Claim 65 further comprising an amplifier coupled between said D/A converter and said audio output device and configured to amplify said analog signal.

67. (Previously Presented) The system as recited in Claim 65 further comprising a display sub-system selectively coupled to said memory sub-system and configured to display said text data.

68. (Previously Presented) The system as recited in Claim 67 further comprising a second switch coupled between said decoder and said memory sub-system and also between said display sub-system and said memory sub-system, said second switch configured to couple one of said decoder and said display sub-system to said memory sub-system and to simultaneously decouple the other one of said decoder and said display sub-system from said memory sub-system.

69. (Previously Presented) The system as recited in Claim 67 wherein said display sub-system comprises a liquid crystal display (LCD).

70. (Previously Presented) The system as recited in Claim 63 wherein said system is portable and battery-powered.

71. (Currently Amended) The system as recited in Claim ~~64~~ 63 wherein said memory sub-system comprises semiconductor flash memory.

72. (Previously Presented) The system as recited in Claim 63 wherein said recognition engine uses Hidden Markov Model (HMM) techniques to perform recognition.

73. (Previously Presented) The system as recited in Claim 63 wherein said encoder is operable to achieve a rate of two kilobits per second (2 kbit/s).

74. (Cancelled)

75. (Currently Amended) A method for audio recording and playback in a portable device, said method comprising the steps of:

- a) capturing a first analog signal;
- b) encoding said first analog signal to generate a digital signal;
- c) performing recognition on said analog signal to generate text data;
- d) alternately storing portions of said digital signal and corresponding portions of said text data such that said digital signal and said text data are synchronized; and

wherein said b) and c) are performed simultaneously to generate said digital signal and said text data in response to said first analog signal such that said digital signal and said text data can be stored in a synchronized manner in a memory device.

76. (Cancelled)

77. (Currently Amended) The method as recited in Claim 75 further comprising ~~the steps of:~~

~~d)~~e) decoding said digital signal into decoded audio data;

~~e)~~f) converting said decoded audio data into a second analog signal;

and

~~f)~~g) generating a voice output corresponding to said first analog signal from said second analog signal.

78. (Previously Presented) The method as recited in Claim 77 further comprising the step of amplifying said second analog signal.

79. (Currently Amended) The method as recited in Claim 77 further comprising ~~the steps of:~~

g) displaying said text data on a display device coupled to said portable device.

80. (Previously Presented) The method as recited in Claim 79 wherein said display device is a liquid crystal display (LCD).

81. (Previously Presented) The method as recited in Claim 75 wherein said portable device is battery-powered.

82. (Previously Presented) The method as recited in Claim 75 wherein said memory device is a flash memory coupled to said portable device.

83. (Previously Presented) The method as recited in Claim 75 wherein a Hidden Markov Model (HMM) technique is used for said recognition.

84. (Previously Presented) The method as recited in Claim 75 wherein said encoding is performed at a rate of substantially two kilobits per second (2 kbit/s).